



UNITED STATES PATENT AND TRADEMARK OFFICE

AZ

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/634,045	08/08/2000	Drew Eric Wingard	02998.P011	5608

7590 08/01/2003

Maria McCormack Sobrino
Blakely Sokoloff Taylor & Zafman LLP
12400 Wilshire Boulevard
7th Floor
Los Angeles, CA 90025

EXAMINER

THOMPSON, ANNETTE M

ART UNIT PAPER NUMBER

2825

DATE MAILED: 08/01/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/634,045

Applicant(s)

WINGARD ET AL.

Examiner

A. M. Thompson

Art Unit

2825

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 May 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☒ The proposed drawing correction filed on 24 February 2003 is: a) ☒ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 9.
- 4) ☐ Interview Summary (PTO-413) Paper No(s) _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 13 May 2003 has been entered.

2. Applicant's Preliminary Amendment and Response To Advisory Action has been examined. Claims 1-11 are amended. Claims 1-11 are pending.

Specification

3. The disclosure is objected to because of the following informalities: Applicant's request to cancel Figure 3c has been entered. Applicant must now delete all references to *Figure 3c* in the specification.

Appropriate correction is required.

Claim Objections

4. **Claims 1, 2, 7, 8, and 9** are objected to because of the following informalities: Pursuant to **claim 1** at lines 2-3, the terminology "selectively present" is confusing. Examiner suggests using the phrase *selectively enabled* in accordance with Applicants' specification (page 8). Pursuant to **claim 2**, at line 2, delete "capable of being". Pursuant to **claim 7**, the recitation of this claim is confusing as Applicants claim a method for generating a computer core interface but later recite the generation of only a computer core. For examination purposes, the limitation "generating a computer core"

Art Unit: 2825

is interpreted as *generating a computer core interface*. Pursuant to **claim 8**, at line 3, the phrase “a signal carrier is present” is confusing based on Applicant’s specification which suggests that this phrase should state *a signal carrier is enabled*. Pursuant to **claim 9**, at line 8, “the selected interface lacks antecedent basis”; at line 9, after “core”, insert - -with a configured interface- -. Appropriate correction is required.

Claim Rejections - 35 USC § 112

5. The following is a quotation of the **first** paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

6. Claim 11 is rejected under 35 U.S.C. 112, first paragraph, because the specification, while being enabling for selecting configuration options, does not reasonably provide enablement for deriving configuration options for one core from another core. The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to use the invention commensurate in scope with this claim.

Claim Rejections - 35 USC § 102

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Rejection of claims 1-10

8. **Claims 1-10** are rejected under 35 U.S.C. 102(e) as being anticipated by Guccione et al., U.S. Patent 6,216,259. Guccione teaches a system and method for configuration of a programmable logic device using routing cores.

9. Pursuant to claim 1 which recites [a] computer core comprising at least one interface signal carrier that is configurable, at compilation, such that the at least one interface signal carrier can be selectively present. (col. 2, ll. 30-48).

10. Pursuant to claim 2 wherein at least one interface signal carried by the interface signal carrier is configured to support different levels of functionality (col. 2, ll. 49-59).

11. Pursuant to claim 3, wherein a signal carrier width of the interface signal carrier is configurable to support different signal widths (col. 6, line 41 to col. 7, line 15).

12. Pursuant to claim 4, which recites a computer core comprising at least one interface signal carrier that is configurable, at compilation, such that at least one interface signal carrier can be configured to support different levels of functionality (col. 4, line 30 to col. 5, line 48 which discloses bit level interface software).

13. Pursuant to claim 5, wherein a signal carrier width is configurable to support different signal widths (col. 6, line 41 to col. 7, line 15).

14. Pursuant to claim 6 which recites a computer core comprising a signal width of at least one interface signal carrier configurable at compilation to support different signal widths (col. 6, line 41 to col. 7, line 15).

15. Pursuant to claim 7, which recites a method for generating at compilation a computer core interface comprising providing configurable source code representative

Art Unit: 2825

of the computer core interface and identifying parameters of the computer core interface (col. 3, line 54 to col. 4, line 10); defining configuration parameters of the computer core interface (col. 4, ll. 45-66) and generating a computer core interface from the configurable source code representative of the computer core interface comprising an interface with identified parameters of the interface (col. 5, ll. 25-65).

16. Pursuant to claim 8, wherein at least one of the configuration parameters of the computer core interface is selected from the group of parameters that define whether a signal carrier is present in the computer core interface (col. 2, ll. 49-59).

17. Pursuant to claim 9, which recites a method for generating at compilation a core with a configured interface, comprising implementing the core as configurable source code utilizing a least one defined parameter of the core interface (col. 3, line 54 to col. 4, line 10); selecting at least one configuration option for the core interface (col. 4, ll. 45-66); generating the core with a configured interface. . . (col. 5, ll. 25-65).

18. Pursuant to claim 10, wherein selecting at least one configuration option is performed thorough a graphical user interface (col. 3, ll. 54-65; col. 4, ll. 1-3).

Remarks

19. Pursuant to the preliminary amendment, the prosecution of the instant application has been transferred to Art Unit 2825 and further the application reclassified in class 716 subclass 17.

Conclusion

20. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Please reference the PTO-892 for a complete listing.

Art Unit: 2825

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to A.M. Thompson whose telephone number is (703) 305-7441. The Examiner can usually be reached Monday thru Friday from 8:00 a.m. to 5:00 p.m.. If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Matthew S. Smith, can be reached on (703) 308-1323.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956 or the Customer Service Center whose telephone number is (703) 306-3329.

21. Responses to this action should be mailed to:

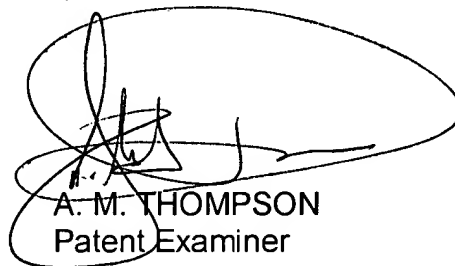
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

or faxed to:

(703) 872-9318, (for **OFFICIAL** communications intended for entry)

(703) 872-9319, (for Official **AFTER-FINAL** communications)

Hand-delivered responses should be brought to Crystal Plaza 4, 2021 South Clark Place, Arlington, VA., Fourth Floor (Receptionist).



A. M. THOMPSON
Patent Examiner